Postdoc opportunity: 3D functional assay drug discovery

Research: We are looking for a postdoctoral training candidate with a Ph.D. in molecular cell biology or related field to conduct drug activity experiments on patient-derived melanoma cells. These experiments will serve the establishment of a novel drug discovery pipeline that is guided by innovative machine learning approaches. Initially, the candidate will be trained for conducting single-cell measurements of cell viability for testing drug activity. The candidate will gain experience in the design and optimization of 3-D cell culture workflows and high-throughput microscopy. Later, the candidate is expected to follow the successful hits to develop mechanistic insight about the activity, possibly including animal research.

Opportunity: We offer a position in a fast-paced, results-oriented, and highly collegial environment that brings together researchers in computer science, engineering, and cell biology. The training opportunity is ideally suited to prepare for a career in phenotypic drug discovery. Although the position is fully funded, the candidate will be strongly encouraged and mentored in securing a competitive fellowship.

Environment: The position will be a joint appointment between the laboratories of Gaudenz Danuser, Ph.D. and Murat Can Cobanoglu, Ph.D. housed in the recently incepted Lyda Hill Department of Bioinformatics at University of Texas Southwestern Medical Center in Dallas. UT Southwestern is among the leading medical schools in the U.S. invested in basic and translational biomedical sciences and located in the heart of one of the fastest growing and culturally diverse metropolitan areas of the country.

Interested candidates should send their CV and a list of three references to:

Erik Welf, Ph.D.
erik.welf@utsouthwestern.edu

UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.